

Listing of Claims

1-6. (Canceled)

7. (Currently amended): A method for preparing a crude extract containing one or more acetogenin compound, the crude extract being suitable for administration to a human subject, the method comprising the steps of:

(a) obtaining one or more plant parts from a plant of the genus Asimina, wherein said one or more plant parts are selected from one or more twig, unripe fruit, seed, bark and other bioactive plant part, or any combination thereof, and containing one or more acetogenin compound ~~and being of a genus selected from the group consisting of Asimina, Annona, Goniothalamus, Uvaria, Disepalum, Xylopia, and Rollinia;~~

(b) drying the one or more plant parts to form a mass;

(c) ~~placing the mass in~~ separating the mass using a sieve to form a sieved product;

(d) pulverizing the sieved product to form a pulverized product;

(e) performing at least one water extraction on the pulverized product;

(f) performing at least one ethanol extraction on the pulverized product to provide an ethanolic extract;

(g) concentrating the ethanolic extract to form a syrup;

(h) allowing the syrup to settle into a crude extract layer and a water layer;

(i) removing the water layer from the crude extract layer, ~~to form the~~ resulting crude extract containing one or more acetogenin compound;

(j) standardizing the crude extract for zero percent moisture and an LC₅₀ of 0.5 ppm in a BST; and

(k) spray drying the crude extract onto an inert carrier to facilitate encapsulation or tableting.

8. (Canceled)

9. (Currently amended): A method for preparing a crude extract containing one or more acetogenin compound, the crude extract being suitable for administration to a human subject, the method comprising the steps of:

- (a) obtaining one or more plant parts from a plant of the genus Asimina, wherein said one or more plant parts are selected from one or more twig, unripe fruit, seed, bark and other bioactive plant part, or any combination thereof, and containing one or more acetogenin compound ~~and being of a genus selected from the group consisting of Asimina, Annona, Geniothalamus, Uvaria, Disepalum, Xylopia, and Rollina;;~~
- (b) drying the one or more plant parts to form a mass;
- (c) ~~placing the mass in~~ separating the mass using a sieve to form a sieved product;
- (d) pulverizing the sieved product to form a pulverized product;
- (e) performing at least one water extraction on the pulverized product;
- (f) performing at least one ethanol extraction on the pulverized product to provide an ethanolic extract;
- (g) concentrating the ethanolic extract to form a syrup;
- (h) allowing the syrup to settle into a crude extract layer and a water layer;
- (i) removing the water layer from the crude extract layer, ~~to form a~~ the crude extract containing one or more acetogenin compound; and
- (j) standardizing the crude extract for a range of 10-40% moisture, and an LC₅₀ value in a range of 0.2-0.8 ppm in a BST.

10-14. (Canceled)

15. (Currently amended) A method for preparing a crude extract containing one or more acetogenin compound, the method comprising:

- (a) obtaining one or more plant parts from a plant of the genus Asimina, wherein

said one or more plant parts are selected from one or more twig, unripe fruit, seed, bark and other bioactive plant part, or any combination thereof, and containing one or more acetogenin compound, ~~the one or more plant parts being of a genus chosen from Asimina, Annona, Geniothalamus, Uvaria, Disepalum, Xylophia, and Rollinia;~~

- (b) drying the one or more plant parts to form a mass;
- (c) performing at least one water extraction on the mass;
- (d) performing at least one alcohol extraction on the mass to provide an alcohol extract;
- (e) concentrating the alcohol extract; and
- (f) removing water from the alcohol extract to form the crude extract containing one or more acetogenin compound; and
- (g) standardizing the crude extract for zero percent moisture and an LC₅₀ of 0.5 ppm in a BST.

16. (Previously presented): The method of claim 15, further comprising:
pulverizing the one or more plant parts before performing the at least one water and at least one alcohol extraction.

17. (Previously presented): The method of claim 15, further comprising:
allowing the concentrated alcohol extract to settle into a crude extract layer and a water layer before removing water from the alcohol extract.

18. (Previously presented): The method of claim 15, further comprising:
spray drying the crude extract onto an inert carrier to facilitate encapsulation or tableting.

19. (Previously Presented): The method of claim 15, wherein the alcohol extraction is an ethanol extraction.

20. (Previously presented): A method for preparing a crude extract containing one or more acetogenin compound, the method comprising:

(a) obtaining one or more plant parts containing one or more acetogenin compound, wherein the one or more plant parts are from a plant of the genus Asimina and are selected from one or more twig, unripe fruit, seed, bark and other bioactive plant part, or any combination thereof ~~the one or more plant parts being of a genus chosen from Asimina, Annona, Goniothalamus, Uvaria, Disopalum, Xylophia, and Rollinia;~~

(b) drying the one or more plant parts to form a mass;
(c) performing at least one water extraction on the mass;
(d) performing at least one alcohol extraction on the mass to provide an alcohol extract;
(e) concentrating the alcohol extract; and
(f) removing water from the alcohol extract to form the crude extract containing one or more acetogenin compound; and
(g) standardizing the crude extract for a range on 10-40% moisture, and an LC₅₀ value in a range of 0.2-0.8 ppm in a BST.

21. (Previously presented): The method of claim 20, further comprising:
pulverizing the one or more plant parts before performing the at least one water and at least one alcohol extraction.

22. (Previously presented): The method of claim 20, further comprising:
allowing the concentrated alcohol extract to settle into a crude extract layer and a water layer before removing water from the alcohol extract.

23. (Previously presented): The method of claim 20, further comprising:

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spray drying the crude extract onto an inert carrier to facilitate encapsulation or tableting.

24. (Previously presented): The method of claim 20, wherein the alcohol extraction is an ethanol extraction.